

Bioassay, carcinogenesis and tissue culture

#252R1

Committee:

Dr. Little, Chairman
Dr. Reimann
Dr. Lynch

#252 activated 4/1/60

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TOBACCO INDUSTRY RESEARCH COMMITTEE

150 East Forty-second Street New York, N.Y.

Application for Research Grant

November 10, 1960

1. Name of Investigator: Otakar J. Pollak, M.D., Ph.D.
2. Title: Executive Director
3. Institution & Address: Dover Medical Research Center, Inc.
9 Kings Highway
Dover, Delaware
4. Project or Subject: Effect of Tobacco Derivatives on Arterial and Myocardial Tissue Cultures.
5. Detailed Plan of Procedure:

The plan of procedure as outlined in the original application need not be changed. As evident from the attached progress report for the first six months of the current study actual experimentation with nicotin had to be delayed pending the establishing of base lines, i.e., the finding of optimal working conditions for rabbit tissue. Similarly, work with human tissues has to be postponed until the establishing of ground rules based on results of study of rabbit tissues.

6. Budget Plan:

Salaries	\$ 7,600.00
Expendable Supplies	2,400.00
Permanent Equipment	----
Overhead (15%)	1,000.00
Other	<u>600.00</u>
Total	\$11,600.00

7. Anticipated Duration of Work:

At least, a second year (April 1, 1961 - March 31, 1962). Results may warrant further extension.

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8. Facilities and Staff Available:

The Dover Medical Research Center, Inc., is equipped for tissue cultures (incubators, centrifuges, homogenizer, water baths, microscope, phase microscope, microphotography, etc.), for study of cell metabolism (Warburg), for biochemistry, electrophoresis, chromatography, etc., (Spectrophotometer, pH meter, balances, chromatograph, electrophoresis, etc.).

O. J. Pollak, M.D., Ph.D. (author of over 130 publications--half of which deals with atherosclerosis and related problems; pathologist) -- to direct all projects.

Tatsuo Kokubu, M.D., Ph.D. - engaged in tissue cultures in Osaka, Japan, and has been working here since February 1, 1960.

Araceli F. Engel, Ph.D. - engaged in electrophoresis, chromatography, biochemistry of blood and blood vessel extracts (started June 1, 1959). Also does Warburg studies.

Reizo Koide, M.D., of Osaka, author of several papers on atherosclerosis, will take the place of Dr. Kokubu but will arrive for a training period of three months before Dr. Kokubu's tenure expires.

9. Additional Requirements:

None

10. Additional Information:

The Dover Medical Research Center, Inc., is a non-profit organization incorporated in the State of Delaware, exempt from taxation and eligible to accept tax-free grants by the Department of Internal Revenue, approved for student-exchange visitors by the State Department.

At present, the CENTER is operating under research grants from the National Heart Institute (N.H.I.), the Delaware Heart Association, and a pharmaceutical firm, in addition to the grant from the Tobacco Industry Research Committee.

/s/ O. J. Pollak, M.D., Ph.D.
Director of Project

/s/ Thomas J. Deacon
Business Officer of the
Institute

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